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**FEDERAL FACILITY COMPLIANCE AGREEMENT
(FFCA) - FEED MATERIALS PRODUCTION
CENTER - CLEAN AIR ACT (CAA) SECTION -
ANNUAL PROGRESS REPORT**

03/02/90

**DOE-540-90
DOE-FSO/USEPA
1
LETTER**



Department of Energy

FMPC Site Office
P.O. Box 398705
Cincinnati, Ohio 45239-8705
(513) 738-6319

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March 2, 1990
DOE-540-90

Mr. William D. Franz
U. S. Environmental Protection Agency
Region V - 5ME014
230 S. Dearborn Street
Chicago, IL 60604

Dear Mr. Franz:

FEDERAL FACILITY COMPLIANCE AGREEMENT (FFCA) - FEED MATERIALS PRODUCTION CENTER - CLEAN AIR ACT (CAA) SECTION - ANNUAL PROGRESS REPORT ON THE REPLACEMENT OF AIR POLLUTION CONTROL DEVICES

The FFCA requires DOE to provide an annual report on the replacement of air pollution control devices at the Feed Materials Production Center (FMPC). Enclosed is a copy of the progress report for 1989. The original report was submitted on August 17, 1986 as a 30-day deliverable for the FFCA, CAA Section. The 1987 Progress report was transmitted to USEPA-V on April 4, 1988, while the 1988 Progress report was submitted on July 3, 1989. Consistent with past reports, this year's report includes Table 1 which provides the status and proposed replacement schedule for the existing dust collectors. Table 2 of the report is the installation schedule for the proposed new dust collectors.

If you have any questions, please contact Behram Shroff, of my staff, at (513) 738-6003.

Sincerely,

A handwritten signature in cursive script that reads "Ray Hansen".

Raymond J. Hansen
FMPC Acting Site Manager

DP-84:Shroff

Enclosure: As stated

[REDACTED]

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[REDACTED]

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1989 PROGRESS REPORT - THE REPLACEMENT OF AIR POLLUTION CONTROL DEVICES

Background

The CAA Section of the FFCA requires the Department of Energy (DOE) to provide an annual progress report on the replacement of air pollution control devices to USEPA Region V. This progress report provides the status and the replacement schedule of all existing dust collectors identified at the FMPC. On August 17, 1986, the proposed dust collector replacement schedule was submitted to U.S. EPA Region V as a 30-day deliverable for the FFCA, CAA Section. The 1987 and 1988 Annual Progress Reports were submitted to U.S. EPA Region V on April 4, 1988 and July 3, 1989 respectively.

Current Status

Table 1 provides the status and the proposed replacement schedule for fifty-six (56) existing dust collectors. It includes a description of each dust collector, the funding year and the estimated completion date.

The 1989 Progress Report incorporates the following status changes: A) Three (3) replacements were completed in 1989; B) Eight (8) additional replacements were cancelled following further review; C) Eight (8) replacements are scheduled for completion in 1990; D) Five (5) replacements, as well as, major modifications to two (2) existing systems are scheduled in 1991; E) Ten (10) proposed replacements are being reviewed; F) One (1) new system was added (West Derby Breakout).

Summary and Conclusions

An annual progress report on the replacement of dust collectors at the FMPC is provided and satisfies requirements identified in the CAA section of the FFCA. Table 1 provides the replacement schedule for existing dust collectors. Table 2 provides the installation schedule for new dust collectors. Both schedules contain a description of each dust collector, the funding year and the estimated construction completion date. These dates are dependent upon many conditions including the availability of appropriated funds, reassessment of needs based on future production levels and any reprioritization which may occur.

TABLE 1. Proposed Dust Collector Replacement Schedule

Plant No.	Dust Collector No.	Location and Service	FY Funding	Estimated Construction Complete
1	G2-2	2nd Floor SE, Drum Dumper	91	Cancelled
1	G2-64	4th Floor NW, Mill Area	91	Cancelled
1	G2-76	4th Floor SW, Mill Area	91	Cancelled
1	G2-172	4th Floor, NW, Sample Area	91	Cancelled
1	G2-6014	Shot Blaster	89	Cancelled
1	G2-6015	Drum Blaster Copper Shredder West Outside	89	Cancelled
1	G2-6042	2nd Floor NW, Fitz Mill/PIN Cutter	89	Jun 90
2/3	G1-94	4th Floor East, Digestion Dump Stations	87	Cancelled
2/3	G1-856	4th Floor Center, West Metal Dissolver	89	Aug 90
2/3	G2-103	4th Floor East, Denitration North Mill	85	Cancelled
2/3	G2-104	4th Floor East, Denitration South Mill	89	Cancelled
4	G4-1	4th Floor North, UO3 Dump Station	85	Cancelled
4	G4-2	4th Floor West, UF4 Package #2	85	Cancelled
4	G4-3	4th Floor North, Reactor Area Venilation	85	Cancelled
4	G4-4	4th Floor SE, UF4 Package	87	Cancelled (1)
4	G4-5	4th Floor SW, Serves G4-11 Hoffman	85	Cancelled
4	G4-6	4th Floor, High Vacuum System	89	Cancelled
4	G4-7	4th Floor North, H2 Offgas	85	Cancelled
4	G4-12	4th Floor West, UF4 Package #3	85	Cancelled
4	G4-13	2nd Floor West, Bank 8 Packaging	85	Cancelled
4	G4-14	4th Floor South, UF4 Package #1	87	Apr 91
4	G4-15	1st Floor North, Enriched Drum Station	85	Cancelled
5	G5-247	2nd Floor, SW, West Jolters	88	May 90
5	G5-248	2nd Floor SE, East Jolters	88	Mar 90
5	G5-249	2nd Floor SW, #4 "F" Machine	86	Cancelled
5	G5-250	2nd Floor SW, #5 "F" Machine, W. Cap Station	86	Cancelled
5	G5-251	2nd Floor SE, #1 "F" Machine	85	Completed 89
5	G5-251	Modify to Ventilate #4 "F" Machine	86	Apr 91
5	G5-253	2nd Floor SE, #3 "F" Machine, E. Cap Station	85	Completed 89
5	G5-253	Also #5 "F" Machine	86	Apr 91
5	G5-254	2nd Floor West Center, West Breakout	86	Demolished 89
5	G5-256	2nd Floor East Center, East Breakout	86	Cancelled
5	G5-258	2nd Floor West Center, West Remelt	89	Cancelled
5	G5-259	2nd Floor NW, West Burnout	89	Cancelled
5	G5-260	2nd Floor East, East Remelt, East Separation	89	TBD
5	G5-261	2nd Floor NE, East Burnout, East Separation	89	TBD
5	G5-262	2nd Floor NW, Graphite Shop	92	TBD
5	G5-267	West Mezzanine, West Breakout	86	Demolished 89
5	G5A-100	2nd Floor MW, W Separation Mold Cleaning	87	Completed 89
5	G5A-101	Roof Main. Shop, East Breakout	86	Cancelled
55	G55-E-100	Top Floor	85	Mar 90

TABLE 1. Proposed Dust Collector Replacement Schedule (continued)

Plant No.	Dust Collector No.	Location and Service	FY Funding	Estimated Construction Complete
6	G6-6057	Machining Electrostatic Precipitators	91	TBD
6	G6-3579	Machining Electrostatic Precipitators	91	TBD
6	G6-3578	Machining Electrostatic Precipitators	91	TBD
8	G43-27	2nd Floor SE, Rotary Kiln	88	May 91
8	G43-29	Penthouse, Rotex	88	May 91
8	G8-021	2nd Floor East, Muffle Furnace, Graphite	92	Cancelled
8	G8-024	2nd Floor East, Muffle Furnace	92	Cancelled
8	G8-035	2nd Floor East, Oxidation #1	85	Cancelled
8	G8-057	2nd Floor West, Neutralization Tanks	92	TBD
8	G8-7	East Pad Outside, Oxidation #2	85	Cancelled
9	G42-615	West Pad Outside, Machining	92	Cancelled
9	G9E2-400	East Pad Outside, Machining	89	Cancelled
9	G9N1-1039	1st Floor Mezzanine, Remelt	85	Completed '87
13	G-1	Pilot Plant, UF6 to UF4 Mezzanine Drum Station	92	Cancelled
13	G-2	Pilot Plant, UF6 to UF4 Mezzanine Drum Station	92	Cancelled
13	735-13-7041	Pilot Plant Annex, Outside SW	87	Cancelled
13	735-13-7051	Pilot Plant Annex, Outside SE Rotoblast	87	Cancelled
37	G6-93A	Pilot Plant, Wet Area	92	Cancelled
39	G2-95	Oil Incinerator	92	TBD

TABLE 2. Proposed New Dust Collection System Installation Schedule

Plant No.	Dust Collector No.	Location and Service	FY Funding	Estimated Construction Complete
2/3	TBD	Digester feed, Location TBD	87	Cancelled
5	TBD	Slag Milling Facility, New Slag Mill Bldg. on SW Side Plant 5, 2nd Floor	86	Aug 90
5	TBD	Ingot cooling & furnace repair booths, NW, 1st Floor	88	TBD
5	TBD	West Derby Breakout, West Side Plant 5, 2nd Floor	89	Jul 90
8	TBD	Rotary Kiln facility, New Rotary Kiln Bldg., South of Plant 8, 3rd Floor	89	Apr 91
8	TBD	Rotary Furnace, existing South Annex, Location TBD	87	Nov 91
8	TBD	Drum Reconditioning Facility New Drum Reconditioning Bldg., adjacent to the New Rotary Kiln Bldg, 1st Floor	89	Feb 90
9	TBD	Metal Spill Breakup Facility South Central, 1st Floor	87	Cancelled
20	TBD	Water Treatment Plant, New Annex to East side of existing Water Treatment Plant 2nd Floor	87	Cancelled (2)
51	TBD	UF6 to UF4 Packaging Station, E & W sides, 3rd & 4th Levels	Pre-85	Cancelled
51	TBD	Process Ventilation, North side, mezzanine, Level 1	Pre-85	Cancelled (2)
78X	TBD	Decontamination and Decommissioning (D & D) Facility, North side, mezzanine	87	TBD

Notes: TBD = To Be Determined. Project Requirements Under Review.
Hold = N Reactor and UF6 - UF4 Expansion Facility Impacted.
Project Pending.

(1) Omitted From 1988 Progress Report

(2) Not Required